Remove Watermark Now

DATA SHEET

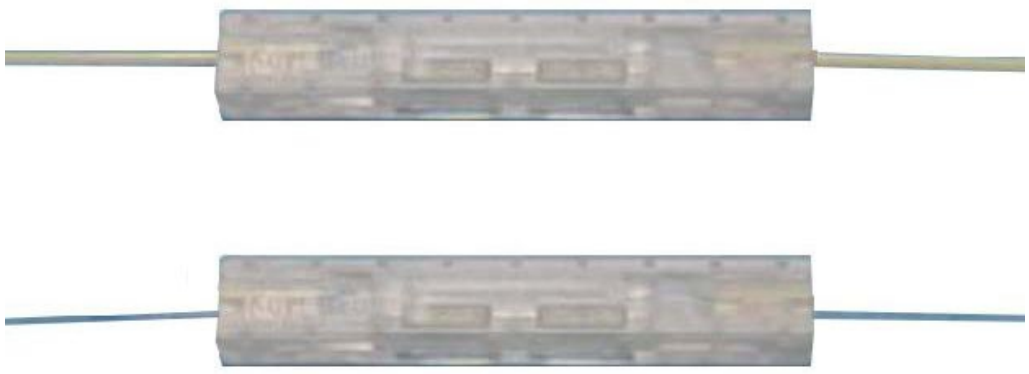
6100-00012

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ezi-Fiber Mechanical Splice

-FIBER Mechanical™ Splice provides an inexpensive, quick alternative to terminating fibers without the need for a fusion splicer.

FIBER Splice uses™ V-groove technology, to align the fibers together and maintain physical contact between the fibers. No assembly tool is required to ensure the fibers are mated correctly. The resulting connection using the connector results in an average insertion loss of about 0.1dB.



Applications

- FTTx
- Pigtail connection in premise environments
- Fiber-to-the-Subscriber (FTTx) applications
- Telecommunications
- CATV
- Local area network

Standards

- ISO/IEC 11801
- Cenelec EN 50173-1 / TIA-568 C.0
- Data Center Cenelec EN 50173-5
- ISO/IEC 24764/ TIA-942
- Ethernet IEEE 802.3; 10/40/100GbE

Features

- Minimal tools required
- Low insertion loss of between 0.1-0.2dB
- Environmentally stable
- Easy termination / Fast splicing time
- Suitable for 250 µm and/or 900 µm buffered fibers
- Uses V-Groove alignment technology

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FIBER Termination Kit

Ordering Information				
Product Number	**Product Name**	**Connector Type**	**Color**	**Mode**
6100-00012	-FIBER Splice		Clear	Dual
2106-02005	-FIBER SC/UPC SM Quick Assembly Connector	SC/UPC	Blue	Single Mode
2106-02020	-FIBER SC/APC SM Quick Assembly Connector	SC/APC	Green	Single Mode
2106-02013	-FIBER SC MM Quick Assembly Connector	SC	Beige	Multi Mode

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Technical Specifications

General Specifications

Cable Size	250um / 900um / 2.0mm / 3.0 mm / Flat Cable
Assembly Time	30 seconds (after preparing fiber ends)
Materials	Engineering Plastics & Index matching gel

Mechanical Data

Pull Strength (kg), Typical	0.5kgf (900um); 6kgf (3.0mm); 1kgf (Flat Cable)
Operating Temperature (deg)	-40 ~ +70°C

Performance Data

Insertion Loss (dB), Typical	0.1dB Insertion Loss (dB)
Insertion Loss (dB), Maximum	Max 0.3dB
Return Loss (dB), Typical	-50dB

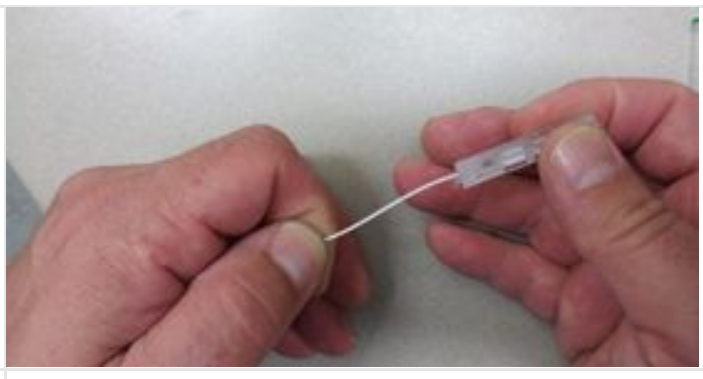
Termination Process



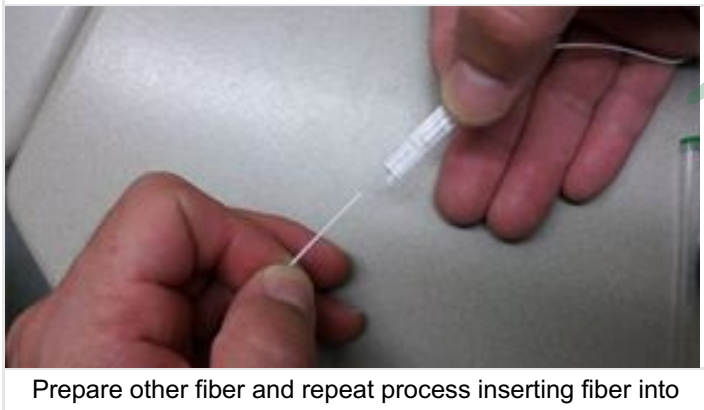
Prepare fiber by stripping off to approx 40mm



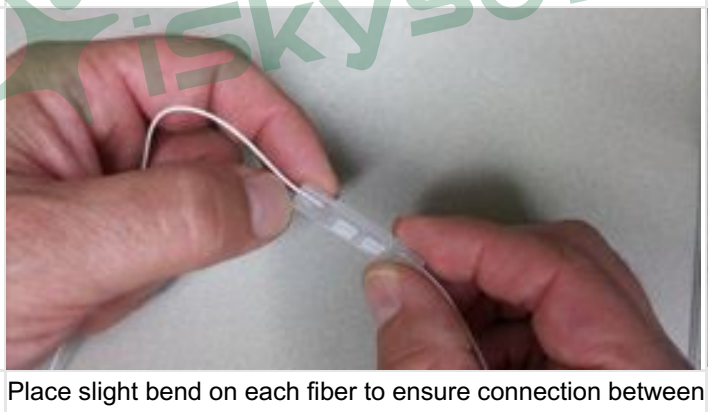
Place into cleaver and cut the fiber to 13mm length



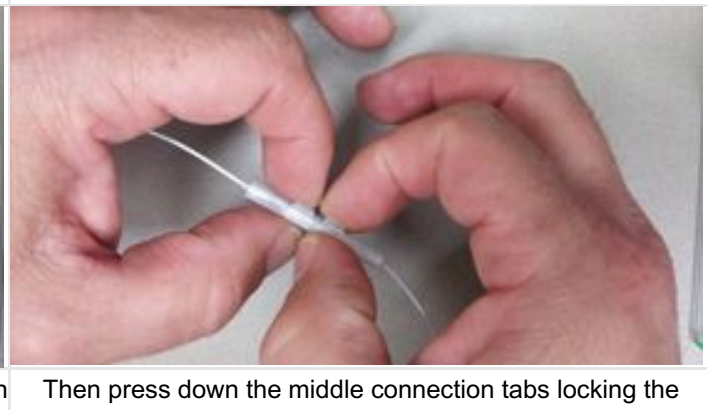
Insert the first fiber fully into one side of the splice. Buffer should fit inside splice approximately 10mm



Prepare other fiber and repeat process inserting fiber into opposite side of splice



Place slight bend on each fiber to ensure connection between the to ends of the fiber



Then press down the middle connection tabs locking the fibers into place

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